

Amendment 299 Contract No. 229944

To the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System

This Amendment 299 to the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System is entered into this 19th day of May, 2014, by and between Vix Technology (USA) Inc. (formerly known as ERG Transit Systems (USA) Inc), a California corporation and wholly owned subsidiary of Vix Mobility Pty Ltd, an Australian corporation, (hereinafter referred to as the "Contractor") and each of the following seven public transportation agencies (hereinafter referred to individually as an "Agency" or collectively as the "Agencies"):

1. Central Puget Sound Regional Transit Authority ("Sound Transit")
2. King County ("King County")
3. Kitsap County Public Transportation Benefit Area ("Kitsap Transit")
4. Pierce County Public Transportation Benefit Area ("Pierce Transit")
5. Snohomish County Public Transportation Benefit Area ("Community Transit")
6. City of Everett ("Everett")
7. State of Washington, acting through the Washington State Department of Transportation, Washington State Ferries Division ("WSF")

Recitals

- A. Effective April 29, 2003, each of the Agencies and the Contractor entered into Contract #229944 ("Contract") to implement a Regional Fare Coordination System ("RFC System") to establish a common fare system utilizing smart card technology. The Contractor is responsible for the development, implementation, operation and maintenance of the RFC System as specified in the Contract.
- B. The Agencies and the Contractor desire to amend Section VI of Exhibit 9, Price Schedule Special Programs, to compensate the Contractor for the work necessary to create new Institutional (Business) Account pricing reports. This work is more fully described in the Contractor's document SEA-09250 PA-ROF *Institutional Pricing Report* (Amendment 263/RFI ORCA 693) v11.0 as approved by the Agencies on March 24, 2014.
- C. The Parties agree that the necessary Work to create the reports will be performed and compensated as described below.

Agreement

Section 1.0 Description of Work

The Contractor will perform the necessary development and testing Work to create a new Ad Hoc Universe to be used for Institutional (Business) Account pricing and a new On Demand Standard Report which is based on the new Universe. Such work will include the following:

1.1 The Contractor will design the new reports per the following usage requirements, as defined in SEA-09250 and more fully explained in its Appendix B "Report Details":

- (a) Both the On Demand Standard and the Ad Hoc Reports are for Passport boarding transactions only
- (b) The On Demand Standard Report is restricted so that only one ID is used in the Institution ID field when run by Institutional customers. For the agencies, the On Demand and Ad Hoc reports will be restricted so only one ID can be entered into the Institution ID field at a time.
- (c) Two views are required:
 - i. Ad Hoc AV_XX
 - ii. Standard RV_XX using the AV view
- (d) The On Demand Standard Report will be the standard which is available to the Agencies and business customers
- (e) The Ad Hoc report is only available to the Agencies
- (f) In order to ensure that all valid transactions are received, the most recent available data will be seven (7) calendar days old.
- (g) Both the Ad hoc and Standard Reports must be run with date ranges
- (h) Existing rules for report data retention applies to these new reports
- (i) The Ad Hoc Universe will be populated with only one year of data (within the twenty-five [25] month available data range)
- (j) The solution will be backward compatible for only one year, with the exception of the UW.
- (k) For the UW, the solution will be backward compatible for only one month. The system will be populated with only one months' UW data (within the twenty-five [25] month available data range).
- (l) For purposes of transfer rate calculation, the system will not provide the following transaction types:
 - i. Reversal and the original tap on that was reversed
 - ii. Exit and tap off

1.2 The Contractor will create a new Ad Hoc view, as described in Table A below, which will contain the following fields for Passport only boardings:

- (a) Table A view excludes Washington State Ferries (WSF) data
- (b) Table A view includes up to one month of University of Washington (UW) data

TABLE A	
Field	Comments
1. BILLING ADDRESS ZIP	
2. BUSINESS DATE	
3. CARD GROUP ID	
4. BRANCH ID	
5. CEFFV	
6. CHANNEL	
7. CSN	
8. DEVICE ID	
9. E-PURSE EQUIVALENT	$(\text{CEFFV} / \text{SUM}(\text{CEFFV})) * \text{MAX TRIP VALUE}$. Divisible by 12
10. INSTITUTION ID	Can be restricted to one institution by Ad Hoc report user. See SEA- 09250, p.24 for further information.
11. LEAD AGENCY ID	
12. LINKED TRIP FARE	$\text{MAX}(\text{CEFFV})$ for the linked trip
13. LINKED TRIP ID	
14. LOCATION	
15. MODE ID	
16. NUMBER OF PASSENGERS	
17. PASSENGER TYPE ID	
18. PRODUCT ID	
19. PRODUCT ISSUER ID	
20. PROGRAM CATEGORY ID	
21. ROUTE ID	
22. SERVICE PARTICIPANT ID	
23. SOURCE PARTICIPANT ID	

24. Total Trip Value (Cost of Boardings)	SUM(CEFFV) for the linked trip
25. TRANSACTION DATE	
26. TRANSIT OPERATOR	
27. TRIP ID	
28. TRIP TYPE	
29.a TXN TYPE	
29.b TXN SUB TYPE	

1.3 The Contractor will create a new Ad Hoc Universe which will consist of all the fields listed in Table A above and all the fields as shown below in Table B - Table B fields are sourced from existing Look-up Tables/Views.

TABLE B	
Field	Comments
1. Institution name	
2. Branch name	
3. Card group description	
4. Lead agency name	
5. Mode description	
6. Passenger type description	
7. Product description	
8. Program category description	
9. Service participant name	
10. Source participant name	
11. Txn description	

1.4 The Contractor will create a new Standard View (summarized) to provide the data required by the new On Demand Standard Report as shown in Table C below. This View contains the following fields for Passport only boardings:

- (a) Table C view excludes Washington State Ferries (WSF) data
- (b) Table C view includes up to one month of University of Washington (UW) data

Table C	
Field	Comments
1. Billing address zip	
2. Institution id	Only one Institution ID can be submitted.
3. Card group id	
4. Branch id	
5. Mode id	
6. Service participant id	
7. Transit operator	
8. Trip type	Indicate if the summarized row is Linked or Unlinked
9. Sum(e-purse equivalent)	SUM of E-PURSE EQUIVALENT for institution ID, BRANCH ID, CARD group ID, Business Date, Service Participant, Mode ID, Transit Operator, Trip Type
10. Total boarding	Count of boarding for institution ID, BRANCH ID, CARD group ID, Business Date, Service Participant, Mode ID, Transit Operator, Trip Type

1.5 The Contractor will create a new Standard On Demand Report consisting of all the fields listed in Table C above and all the fields as shown below in Table D below - Table D fields are sourced from existing Look-up Tables/Views or calculated during report run time.

Table D	
Field	Comments
1. Institution name	
2. Mode description	
3. Cost of boardings	(E-Purse Equivalent) includes unlinked and linked boardings and is adjusted to be divisible by 12.
4. Cost per boarding	(Linked E-Purse Equivalent + Unlinked E-Purse Equivalent) / Total Boardings (format to 2 decimal places)
5. Transfer rate	Total of Linked Boardings / Total Boardings
6. Service participant name	

1.6 The Contractor will support the Agencies' solution testing process to ensure that the new views in the Regional Test Bed (RTB) are populated with twelve (12) months of data (with the exception of the UW) from the Production environment for five (5) Business Accounts, to be nominated by the Agencies. One (1) of the five accounts shall be the UW for which only one (1) month of data (within the twenty-five [25] month available data range) need be provided.

Table E describes the fields which are environment specific and therefore cannot be copied from the Production environment. For these fields, the Look-up Tables/View will be populated with stubbed data, excluding WSF trips).

Table E – Stubbed Test Data (Not Available in Production)	
Field	Comment
1. Channel	
2. Location	
3. External Route ID	Will display the Internal Route ID from UD
4. External Trip ID	Will display the Internal Trip ID from UD

Section 2.0 Documentation

2.1 The Contractor will update the following system documentation:

- (a) SEA-00833 DR 111 RFCS Reporting Requirements
- (b) SEA-08301 Universe Design

Section 3.0 Schedule:

3.1 The work described in Section 1.0 will be delivered in Maintenance Release 27.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, the Parties hereby agree to amend the Contract as follows:

Section 4.0 Compensation Changes

4.1 Section VI (Implementation) of Exhibit 9, Price Schedule, is hereby amended to read as follows:

VI. IMPLEMENTATION

SPECIAL PROGRAMS

LUMP SUM COST

Amendment No. 299

The Contractor will perform the work necessary to create new Institutional (Business) account pricing reports.	
TOTAL	\$60,858

Section 5.0 Other Terms and Conditions

All other provisions of the Contract not referenced in this Amendment Two Hundred and Ninety-nine shall remain in effect.

IN WITNESS WHEREOF, authorized representative of the Agencies and the Contractor have signed their names in the spaces provided below.

Vix Technology (USA) Inc.

By: 

Its: General Manager

Date: 5/16/14

The Agencies

By: 

Its: Operations Manager

Date: May 19, 2014